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Cotton Fiber and Processing Test Results

CROP of

1974



Agricultural Marketing Service  
U.S. DEPARTMENT OF AGRICULTURE  
Memphis, Tenn. 38117 December 6, 1974

These reports are published bi-weekly during the harvesting season and will be summarized in a comprehensive report at the end of the crop year. A detailed description of the tests shown in this report may be found in the summary report for the previous season.<sup>1/</sup> These reports are available on request from the Standardization Section, Cotton Division, Agricultural Marketing Service, U. S. Department of Agriculture, 4841 Summer Avenue, Memphis, TN 38122.

<sup>1/</sup> Summary of Cotton Fiber and Processing Test Results, Crop of 1973, USDA, AMS, Cotton Division, May 1974.



## COTTON FIBER AND PROCESSING TEST RESULTS, CROP OF 1973

### Discussion of Test Results

Cotton Division laboratories of the Agricultural Marketing Service, USDA, report the U. S. average for all medium staple samples tested through November 29, have approximately the same fiber properties as last season at this time, with the exception of fiber fineness which tested finer. Yarns from these cottons showed lower appearance grades, however, imperfections were fewer.

Medium staple samples from the Southeast tested to date show finer fibers, with all other fiber properties about the same. Yarns spun from these samples show fewer imperfections than a year ago, with other processing test results testing approximately the same.

Medium staple samples from the South Central show fibers to be finer and stronger at both zero and 1/8" gage tests than a year ago. Picker and card waste is higher than last season. Yarns spun from these samples show a lower appearance index, while imperfections are fewer.

Medium staple samples from the West show shorter, finer, and weaker fibers than last season at this time. Yarns spun from these samples show lower appearance grades. Yarn imperfections are fewer.

Averages for all long staple samples tested to date are longer, finer and weaker at 1/8" gage tests. Yarns spun from these show both carded and combed yarns to be weaker than a year ago. Yarn appearance grades average lower than a year ago.

Long staple samples from the Southeast tested longer, less uniform, finer, and weaker at zero gage test than a year ago. Yarns spun from these samples had lower appearance grades for both carded and combed yarns. Imperfections were higher for carded yarns than last season.

Long staple samples from the West tested to date show about the same fiber properties as a year ago. Yarns spun from these samples show weaker yarn strength for both carded and combed yarns. Appearance grades for combed yarns were lower than a year ago. Yarn imperfections were higher than last season for carded yarns.

Extra long staple samples tested from the West show shorter, finer and stronger fiber than a year ago on the limited number of samples tested. Yarns spun from these samples show lower appearance grades than last season.

No additional samples were received during this report period for the short and medium staple groups from the Southwest and the long staple group from the South Central area.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States through November 29, 1974

1/

Staple group Area, and Crop year	Lots tested	Fiber test results							Processing test results					
		Fibrograph		Mike fine- ness	Fiber strength		S A nonlint	P & C waste	Yarn quality			Spin. Potent.		
		2.5% span	50/2.5 unif.		Pct.	Rdg.			Mpsi	G/tex	Pct.		Yarn quality	
													Skein str.	Appear- ance
No.		Inches	Pct.	Rdg.	Mpsi	G/tex	Pct.	Pct.	Lbs.	Index	No.	Yarn No.		
<u>Short Staple:</u>														
Southwest														
1973	25	0.98	46	4.4	85	21	3.4	6.4	95	111	19	43		
1974	12	0.94	44	4.1	87	20	3.5	7.0	85	98	17	38		
<u>Medium Staple:</u>														
Southeast														
1973	36	1.08	46	4.7	82	22	3.5	6.2	104	107	22	62		
1974	36	1.09	45	4.4	82	22	3.2	6.2	102	105	17	62		
South Central														
1973	112	1.10	45	4.6	82	22	3.0	5.7	102	110	19	62		
1974	87	1.11	44	4.2	84	23	3.0	6.2	105	103	16	64		
Southwest														
1973	31	1.08	45	4.4	81	22	2.8	5.6	99	100	25	59		
1974	30	1.07	44	4.3	84	22	2.9	6.0	99	92	19	59		
West														
1973	34	1.13	47	4.7	95	26	2.2	5.5	119	109	20	68		
1974	38	1.11	46	4.5	92	25	2.4	5.9	116	102	15	67		
U.S. Average														
1973	213	1.10	46	4.6	84	23	2.9	5.8	105	108	21	63		
1974	191	1.10	45	4.3	85	23	2.9	6.1	106	102	17	63		
Significant dif- ference <u>2/</u>														
		0.02	2	0.2	2	1	0.5	0.5	4(22s)	5	2	3		

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.

Table 1.--Cotton:

Averages of fiber and processing tests from selected gin points in the United States through November 30, 1974

1/ (Continued)

Staple group, Area, and Crop year	Lots	Fiber Test Results										Processing Test Results										SPY		
		Span	Length		Unif	Mike	Strength		SA Non- lint	P&C Waste	Comber Waste	Yarn Quality				No.	No.							
			Zero	gauge			1/8"	gauge				carded	combed	carded	combed			Imprfctns card	combed					
																				Mpsi	G/tx		Pct.	Pct.
No.	In.	Pct.	Rdg.	Mpsi	G/tx	Pct.	Pct.	Lbs.	Lbs.	Indx	Indx	No.	No.											
Long Staple: Southeast																								
1973	11	1.12	45	4.6	83	23		4.0	8.6	16.8	105	121	118	127	17	8	68							
1974	12	1.15	43	4.0	81	23		3.9	8.6	17.2	105	123	105	112	19	8	68							
South Central																								
1973	5	1.15	44	4.3	86	24		4.0	8.8	17.2	111	129	116	128	21	9	66							
1974	4	1.15	44	4.3	86	23		3.3	8.5	18.2	104	124	102	118	17	7	64							
West																								
1973	8	1.16	45	3.9	92	27		2.2	7.0	14.7	137	153	104	114	17	9	93							
1974	7	1.17	45	3.7	92	27		2.4	7.2	14.4	129	148	93	104	20	10	91							
U.S. Average																								
1973	24	1.14	45	4.3	86	25		3.4	8.1	16.2	117	133	113	123	18	9	76							
1974	23	1.16	44	4.0	85	24		3.3	8.1	16.6	112	131	101	111	19	9	74							
50's Combed Yarn																								
American Pima																								
Extra Long Staple: West																								
1973	3	1.46	32	4.0	98	33		2.7	7.1	18.0	65		123	123		2								
1974	2	1.44	32	3.6	100	33		2.4	7.2	17.8	62		110	110		2								
Significant Difference 2/		0.02	2	0.2	2	1		0.5	0.5	0.5	4(22s)	4(22s)	5	5	2	2	3							

1/ Based on a limited number of samples of modal quality

2/ Minimum differences considered to be significant for comparisons in this table. These guides are based upon averages of a number of lots and are not applicable to individual samples.



Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns													
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfct'ns		Spin. Potent- ial	
				2.5% span	Unif.		Mpsi	G/tex			Pct	Pct		No	No	Yel	Yel	Lbs	Lbs	22s or 27 tx	50s or 12 tx		22s or 27 tx
SOUTHEAST AREA																							
ALABAMA																							
GREENBRIER																							
3 LM	51	33	1.04	42	4.0	78	22	7.2	2.4	2	3	5.7	98 PERCENT	96	30	6.7	4.6	90	80	18	16	51	
HARPERSVILLE																							
DELTAPINE 16																							
2 SLM	41	35	1.13	45	4.4	83	23	6.4	2.4	2	3	6.0	90 PERCENT	105	36	6.6	4.8	90	80	14	12	61	
3 LM	51	35	1.14	45	4.6	83	23	6.7	3.6	2	2	6.2	90 PERCENT	112	40	6.5	4.7	120	90	12	9	68	
SECTION																							
STONEVILLE 603																							
1 LM	51	35	1.10	45	4.3	80	22	6.1	4.8	2	2	6.6	75 PERCENT	112	39	6.6	4.8	90	80	22	14	62	
2 LM	51	34	1.10	42	3.5	79	23	6.6	4.0	1	3	6.8	75 PERCENT	110	37	7.0	5.0	90	70	27	19	67	
SYLACAUGA																							
DIXIE KING III																							
3 LM	51	35	1.08	47	4.3	82	23	5.8	3.8	3	2	6.1	100 PERCENT	105	37	6.2	4.4	110	90	15	13	61	
GEORGIA																							
ALLEN TOWN																							
COKER 201																							
3 SLM LT SP	42	34	1.09	43	4.5	77	21	6.1	3.4	3	3	7.6	95 PERCENT	80	24	5.4	3.7	90	70	19	16	43	
BOSTWICK																							
DIXIE KING II																							
2 SLM LT SP	42	34	1.05	46	4.6	82	21	6.4	4.9	3	3	7.3	100 PERCENT	102	34	5.9	4.1	100	90	12	11	53	
COMER																							
COKER 201																							
2 SLM	41	35	1.09	45	4.1	77	22	6.2	4.4	2	3	6.7	100 PERCENT	103	34	6.3	4.3	120	80	17	10	58	
OGLETHORPE																							
DELTA PINE 16																							
2 SLM	41	34	1.07	43	4.3	80	22	7.8	2.7	2	3	6.3	98 PERCENT	95	30	6.0	4.0	120	70	14	9	47	
NORTH CAROLINA																							
SHELBY																							
COKER 201																							
2 LM LT SP	52	36	1.12	46	3.9	84	23	6.8	4.8	3	3	8.6	100 PERCENT	113	41	6.7	5.2	100	90	32	19	67	
SOUTH CAROLINA																							
ST MATTHEWS																							
COKER 201																							
3 SLM	41	35	1.11	44	4.7	78	21	6.0	3.1	1	3	6.4	98 PERCENT	99	34	6.2	4.2	100	70	20	16	58	



Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results						Processing Test Results - Carded Yarns															
No	Grade	Stple	32s	Digital Fibrograph	Mike	Fiber Strength		Elon- gat'n 1/8"	S. A. Non- Lint	Color Raw Stock		P & C Waste	Strength			Elongation			Appearance Index			Imprfct'ns			Spin. Poten- tial
						2.5% span	Unif.			Zero	1/8" Gage		Gr	Yel	22s or 27 tx	50s or 12 tx	Lbs	Pct	22s or 27 tx	50s or 12 tx	Pct	22s or 27 tx	50s or 12 tx	No	
SOUTH CENTRAL AREA																									
ARKANSAS																									
DUMAS																									
2	SLM	41	35	1.10	43	4.1	86	22	5.7	3.1	2	3	6.4	100 PERCENT	97	33	5.8	4.2	110	90	12	10	51	51	
HUGHES																									
3	SLM	41	35	1.11	44	4.4	84	23	6.3	2.0	2	3	5.2	100 PERCENT	100	35	6.0	4.5	100	70	15	12	59	59	
MARIANNA																									
3	SLM	41	35	1.07	44	3.9	84	23	6.2	2.8	3	3	6.9	100 PERCENT	96	29	6.3	4.1	100	80	13	8	51	51	
TYRONZA																									
2	SLM	41	35	1.08	41	3.3	80	23	6.5	3.2	2	3	5.6	100 PERCENT	107	36	6.8	4.4	90	70	22	17	58	58	
WYNNE																									
2	SLM	41	35	1.14	44	4.2	85	25	7.8	3.5	1	3	6.7	100 PERCENT	116	41	6.9	5.0	110	90	19	14	66	66	
LOUISIANA																									
MONROE																									
2	SLM	41	35	1.11	45	4.5	81	23	6.6	2.4	3	3	4.8	100 PERCENT	104	36	6.2	4.6	110	80	12	10	62	62	
WINNSBORO																									
2	LM	51	35	1.09	47	4.7	84	23	6.9	4.1	2	3	7.5	100 PERCENT	107	37	6.4	4.5	100	90	23	16	60	60	
MISSISSIPPI																									
ARCOLA																									
2	SLM	41	36	1.11	44	3.9	82	23	7.5	1.8	1	2	5.5	100 PERCENT	110	40	6.8	5.1	110	80	17	14	69	69	
CLARKSDALE																									
2	SLM LT SP	42	35	1.08	44	4.2	83	22	5.9	2.7	2	3	6.7	100 PERCENT	101	31	6.4	4.0	90	70	24	19	57	57	
GLENDORA																									
2	LM	51	35	1.10	43	3.5	87	22	5.7	3.9	2	2	6.7	100 PERCENT	107	37	6.5	4.4	90	70	20	18	62	62	
INDIANOLA																									
2	LM LT SP	52	35	1.04	44	4.6	87	23	5.0	5.2	4	3	8.0	100 PERCENT	101	34	5.4	3.8	100	90	17	15	55	55	

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974 --(Continued)

Production Area, Classification & Sample Number				Fiber Test Results							Processing Test Results - Carded Yarns											
No	Grade	Stple	32s	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imperf'ns		Spin. Potent- ial
				2.5% span	Unif.		Zero Gage	1/8" Gage			Gra	Yel		Lbs	Lbs	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx	
SOUTH CENTRAL AREA--(Continued)																						
MISSISSIPPI--(Continued)																						
INDIANOLA																						
2 LM	51	35	1.07	46	4.3	84	23	6.4	4.6	2	3	6.9	100 PERCENT	110	38	6.3	4.6	100	90	13	9	61
LAKE CORMORANT																						
2 SLM	41	36	1.16	43	3.9	79	23	7.6	2.7	2	2	5.6	100 PERCENT	110	41	6.8	5.3	90	80	15	13	71
LELAND																						
2 LM LT SP	52	35	1.11	46	4.1	83	23	6.4	8.2	3	3	10.4	100 PERCENT	107	38	6.5	4.8	100	70	23	18	58
LYON																						
2 SLM	41	35	1.09	44	4.1	85	23	6.3	3.2	2	3	6.4	100 PERCENT	105	35	6.6	4.4	110	80	14	11	55
NATCHEZ																						
3 LM	51	35	1.10	46	4.6	83	22	5.9	3.2	3	3	8.0	100 PERCENT	101	32	6.0	3.8	90	80	21	14	54
OLIVE BRANCH																						
2 SLM	41	35	1.07	44	4.1	81	22	6.9	2.4	1	3	5.9	93 PERCENT	106	37	6.7	4.9	100	90	16	9	65
SCOTT																						
2 SLM	41	35	1.12	41	3.7	81	23	7.3	2.8	2	2	5.8	100 PERCENT	113	40	6.8	5.1	90	70	18	17	67
WINONA																						
3 SLM	41	35	1.12	43	3.8	80	22	7.6	3.1	2	2	6.1	95 PERCENT	110	38	7.0	4.8	100	90	15	12	64
MISSOURI																						
BELL CITY																						
2 SLM	41	35	1.11	44	4.1	84	23	7.0	3.0	1	3	6.5	100 PERCENT	104	35	6.8	4.6	100	80	13	10	58
SENATH																						
2 SLM	41	35	1.13	43	3.7	82	23	7.6	2.6	2	3	5.6	80 PERCENT	109	38	6.9	4.8	100	70	15	10	68
TENNESSEE																						
BRADEN																						
2 SLM	41	35	1.07	43	4.0	81	22	6.9	2.4	1	2	5.8	95 PERCENT	109	36	7.2	4.9	100	80	12	12	66
RIDGELY																						
3 SLM	41	35	1.11	43	3.8	80	23	6.3	2.4	2	3	5.6	75 PERCENT	106	37	6.8	4.4	100	80	27	19	62

1/ Reduced from 42 because of grass

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns													
No	Grade	Name & Code	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength		Elongation		Appearance Index		Imprfect'ns		Spin. Potent- tial					
				2.5% span	Unif.		Zero	Gage			Pct	Mpsi		G/tex	Pct	Gra	Yel	Pct	Lbs	22s or 27 tx	Lbs		Pct	22s or 27 tx	No	22s or 27 tx	No
WEST AREA																											
ARIZONA BOWIE				STONEVILLE 213																							
2 SLM	41	35	1.07	44	4.6	79	22	7.3	3.1	2	2	2	6.6	95	32	6.5	4.8	110	90	20	15	48					
BUCKEYE				94 PERCENT																							
2 SLM	41	35	1.12	46	5.3	86	25	6.4	3.6	2	2	2	7.2	104	34	5.9	4.1	100	90	23	11	53					
CASA GRANDE				95 PERCENT																							
2 SLM	41	36	1.14	44	4.7	84	24	6.5	2.6	2	3	3	6.1	106	36	6.4	4.5	120	90	13	10	59					
MARICOPA				75 PERCENT																							
2 SLM	41	36	1.15	44	4.7	81	23	6.7	3.0	2	3	3	5.8	105	37	6.2	4.4	100	70	22	15	61					
PALO VERDE				100 PERCENT																							
1 SLM	41	35	1.07	44	4.9	85	22	5.6	2.2	2	2	2	6.7	94	30	5.4	4.0	100	80	20	17	50					
PICACHO				83 PERCENT																							
2 LM	51	35	1.09	43	3.9	86	23	6.0	3.7	4	2	2	6.4	112	39	6.4	4.3	110	80	19	12	63					
SOMERTON				88 PERCENT																							
2 SLM	41	35	1.09	43	3.9	89	24	5.4	3.2	1	3	3	6.0	110	39	6.1	4.2	100	70	19	11	59					
CALIFORNIA BAKERSFIELD				92 PERCENT																							
2 SLM	41	35	1.13	48	4.5	96	27	5.7	2.1	2	3	3	5.9	132	49	6.1	4.4	100	80	12	7	74					
BAKERSFIELD				100 PERCENT																							
2 MID	31	35	1.08	47	4.7	97	27	5.5	1.8	1	3	3	5.8	119	42	5.5	4.1	100	80	15	11	58					
BUTTONWILLOW				100 PERCENT																							
3 SLM	41	35	1.09	46	4.4	94	27	5.1	2.5	1	3	3	6.4	120	60	5.8	4.0	100	80	15	12	69					

1/ Cotton stuck to processing rolls

Table 2 --Cotton, American upland medium staple: Quality characteristics by production areas, crop of 1974--(Continued)

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns									
No	Grade	Name & Code	Stple	Digital Fibrograph		Mike	Fiber Strength		Elon-gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Waste	Strength	Elongation	Appearance Index	Imprfct'ns		Spin. Potent-ial				
				2.5% span	Unif.		Zero	1/8" Gage			Gra	Yel					22s or 27 tx	50s or 12 tx		22s or 27 tx	50s or 12 tx	22s or 27 tx	50s or 12 tx
				32s				In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No

WEST AREA--(Continued)

CALIFORNIA--(Continued)

LOST HILLS																						
2 SLM	41	35	1.12	47	4.3	96	ACALA SJ-3			3.3	1	3	6.4	100 PERCENT			4.7	100	70	12	10	73
							28	5.9						130	50	6.0						
STRAITFORD																						
2 SLM	41	35	1.14	45	4.4	94	ACALA SJ-2			1.7	2	3	4.6	100 PERCENT			4.5	100	70	15	9	82
							27	5.4						123	49	5.3						
WEST TEXAS																						
PECOS	41	34	1.06	43	4.4	77	STONEVILLE 213			2.5	2	3	6.3	100 PERCENT 1/			4.2	90	80	15	10	52
2 SLM							21	6.6						97	31	6.5						

1/ 100 percent selected for tests, less than 100 percent in the area



Table 3 --Cotton, American upland long staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number				Fiber Test Results										Processing Test Results - Carded Yarns										Spin. Potential
No	Grade	Stple	Name & Code	Digital Fibrograph		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non-Lint	Color Raw Stock		P & C Comber and Waste	Strength		Elongation		Appearance Index		Imprfct's				
				2.5% span	Unif.		Zero Gage	1/8" Gage			Pct	Rdg		Mpsi	G/tex	Pct	Pct	Gra	Yel	22s or 27 tx	Lbs	Pct	22s or 27 tx	
						In			Pct	Pct														
SOUTHEAST AREA																								
ALABAMA																								
GERALDINE																								
51	35	1.15	42	3.4	83	3.4	23	7.1	4.5	2	3	9.0	100 PERCENT	114	39	6.8	5.2	100	70	18	15	75		
51	35	1.15	42	3.3	82	3.3	26	6.7	4.9	2	3	8.9	* 19.2	132	46	7.3	5.5	110	90	10	10	82		
GEORGIA																								
COMER																								
41	35	1.12	42	4.1	80	4.1	25	6.5	3.1	2	3	7.6	100 PERCENT	100	33	5.6	4.5	100	70	30	24	62		
MADISON																								
2	SLM	LT SP	42	4.2	82	4.2	23	6.4	4.8	2	3	10.0	100 PERCENT	96	30	5.5	4.0	120	90	13	12	62		
NORTH CAROLINA																								
DUNN																								
41	36	1.16	43	3.9	82	3.9	23	6.4	3.9	2	2	8.5	95 PERCENT	104	36	6.1	4.6	110	70	23	18	70		
SOUTH CAROLINA																								
HARTSVILLE																								
51	35	1.12	44	4.2	79	4.2	23	6.0	3.9	3	3	9.6	100 PERCENT	93	29	5.6	4.0	110	90	20	16	61		
WEST AREA																								
NEW MEXICO																								
ANIMAS																								
41	37	1.18	45	3.3	89	3.3	28	5.9	2.9	1	2	7.9	75 PERCENT	138	50	6.8	5.2	90	70	23	21	101		
ARTESIA																								
2	SLM		44	3.6	97	3.6	26	5.7	2.1	2	2	6.7	70 PERCENT	132	49	6.1	4.8	80	70	26	21	94		
BERINO																								
2 SLM																								
41	36	1.19	46	3.8	90	3.8	29	5.8	2.3	2	2	7.2	90 PERCENT	123	44	6.0	4.7	90	70	21	14	84		
WEST TEXAS																								
EL PASO																								
41	37	1.18	45	4.1	92	4.1	28	5.6	2.2	3	2	6.6	100 PERCENT	120	43	6.3	4.6	100	80	22	14	85		
* Comber Waste and Combed Yarn Data																								

\* Comber Waste and Combed Yarn Data

Table 4 --Cotton, American Pima extra long staple: Quality characteristics by production areas, crop of 1974

Production Area, Classification & Sample Number			Fiber Test Results										Processing Test Results - Combed Yarns											
			Array Length		Mike	Fiber Strength		Elon- gat'n 1/8"	S.A. Non- Lint	Color Raw Stock		P & C Waste	Comber Waste	Strength		Elongation		Appearance Index		Imprfect'ns				
						Zero Gage	1/8" Gage			Gra	Yel			50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx	50s or 12 tx	80s or 7 tx			
			No	Grade	Stple	UqL	CV																	
			32s		In	Pct	Rdg	Mpsi	G/tex	Pct	Pct	No	No	Pct	Lbs	Lbs	Pct	Pct	No	No	No	No		
			AREA																					
			WEST																					
			WEST TEXAS																					
			FABENS																					
1	5	44	1.46	31	3.5	99	33	PIMA S-4	7.6	2.6	5	5	7.4	16.8	100 PERCENT	62	34	5.2	4.5	110	120	1	1	
			PECOS																					
1	4	44	1.42	34	3.6	100	33	PIMA S-4	7.0	2.3	5	5	6.9	18.9	100 PERCENT 1/	62	34	5.3	4.8	110	110	2	2	

1/ 100 percent selected for tests, less than 100 percent in the area